## IAP3 Rec'd PCT/PTO 22 FEB 2008 Mail Stop PCT

| FORM  | M PTO-      | 1390 U.S. DEPARTMENT O   | F COMMERCE PATENT AND TRADEMARK OFFICE  | ATTORNEY'S DOCKET NUMBER 36-1960                    |  |  |  |  |  |  |  |  |
|---|-------------|--|---|---|--|--|--|--|--|--|--|--|
|   |             | TRANSMITTAL LETTE  | R TO THE UNITED STATES  | U.S. APPLICATION NO. (If known, see 37 C.F.R.) 1.5) |  |  |  |  |  |  |  |  |
| DESIGNATED/ELECTED OFFICE (DO/EO/US)  CONCERNING A FILING UNDER 35 U.S.C. 371  Unknown  |             |  |   |   |  |  |  |  |  |  |  |  |
| INTE  | RNAT        | TONAL APPLICATION NO.  | INTERNATIONAL FILING DATE   | PRIORITY DATE CLAIMED                               |  |  |  |  |  |  |  |  |
|   | P           | CT/GB2004/003583   | 20 August 2004  | 28 August 2003                                      |  |  |  |  |  |  |  |  |
| TITLE OF INVENTION  |             |  |   |   |  |  |  |  |  |  |  |  |
| METHOD AND APPARATUS FOR STORING AND RETRIEVING DATA USING ONTOLOGIES   |             |  |   |   |  |  |  |  |  |  |  |  |
| APPLICANT(S) FOR DO/EO/US  LI   |             |  |   |   |  |  |  |  |  |  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: |             |  |   |   |  |  |  |  |  |  |  |  |
| 1.  | $\boxtimes$ | This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.  |   |   |  |  |  |  |  |  |  |  |
| 2.  |             | This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.  |   |   |  |  |  |  |  |  |  |  |
| 3.  | $\boxtimes$ | This is an express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.   |   |   |  |  |  |  |  |  |  |  |
| 4.  |             | The U.S. has been elected (Article 31).  |   |   |  |  |  |  |  |  |  |  |
| 5.  | A co        | opy of the International Application as filed (35 U.S.C. 371(c)(2).  |   |   |  |  |  |  |  |  |  |  |
|   | a.          | WO 2005/022408 is attached hereto (29 pages specification, claims & abstract (13 claims), 7 sheets drawings).  |   |   |  |  |  |  |  |  |  |  |
|   | b.          | has been communicated by the International Bureau.   |   |   |  |  |  |  |  |  |  |  |
|   | c.          | is not required, as the application was filed in the United States Receiving Office (RO/US).   |   |   |  |  |  |  |  |  |  |  |
| 6.  |             | An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)   |   |   |  |  |  |  |  |  |  |  |
|   | a.<br>Cert  | is attached hereto ( pages specification, claims & abstract ( claims), sheets drawings, page tificate of Translation).   |   |   |  |  |  |  |  |  |  |  |
|   | b.          | has been previously su   | ubmitted under 35 U.S.C. 154(d)(4).   |   |  |  |  |  |  |  |  |  |
| 7.  |             | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)  |   |   |  |  |  |  |  |  |  |  |
|   | a.          | are attached hereto (required only if not communicated by the International Bureau).   |   |   |  |  |  |  |  |  |  |  |
|   | b.          | have been communicated by the International Bureau.  |   |   |  |  |  |  |  |  |  |  |
|   | c.          | have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.   |   |   |  |  |  |  |  |  |  |  |
|   | d.          | have not been made and will not be made.   |   |   |  |  |  |  |  |  |  |  |
| 8.  |             | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3).   |   |   |  |  |  |  |  |  |  |  |
| 9.  | a.          | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4).  |   |   |  |  |  |  |  |  |  |  |
|   | b.<br>Forr  | Declaration was submitted to the International Bureau during International Phase (see copies of Declaration ( page m PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached). |   |   |  |  |  |  |  |  |  |  |
| 10.   |             |  | ition of the annexes of the International Prelim                                    | inary Examination Report under PCT Article 36 (35   |  |  |  |  |  |  |  |  |
| U.S.  |             | /1(c)(5).<br>Is 11 To 20 below concern   | document(s) or information included:  |   |  |  |  |  |  |  |  |  |
| 11.   |             |  | statement under 37 C.F.R. 1.97 and 1.98.  |   |  |  |  |  |  |  |  |  |
| 12.   | $\boxtimes$ | An assignment document for   | or recording. A separate cover sheet in compli                                      | ance with 37 C.F.R. 3.28 and 3.31 is included.      |  |  |  |  |  |  |  |  |
| 13.   | a.          | ☐ A FIRST preliminary amendment.   |   |   |  |  |  |  |  |  |  |  |
|   | b.          | A SECOND or SUBSEQUENT preliminary amendment.  |   |   |  |  |  |  |  |  |  |  |
| 14.   |             | An Application Data Sheet under 37 C.F.R. § 1.76.  |   |   |  |  |  |  |  |  |  |  |
| 15.   |             | A substitute specification.  |   |   |  |  |  |  |  |  |  |  |
| 16.   |             | A change of power of attorney and/or address letter.   |   |   |  |  |  |  |  |  |  |  |
| 17.   |             | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.   |   |   |  |  |  |  |  |  |  |  |
| 18.   |             | A second copy of the put   | A second copy of the published international application under 35 U.S.C. 154(d)(4). |   |  |  |  |  |  |  |  |  |
| 19.   |             | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).  |   |   |  |  |  |  |  |  |  |  |
| 20  |             | Other items or information   |   |   |  |  |  |  |  |  |  |  |

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|--|-------------|-----------------|---------------|----------------------------|------------------------|-------------------------------|------------------------|---------|--------------------------|--------------------------|----------|----------|--------------|--|--------|
| U.S. APPLICATION NO. (If known/see 37 C.F.A. (4-8)   |             |                 |               |                            | IN.                    | INTERNATIONAL APPLICATION NO. |                        |         |                          | ATTORNEY'S DOCKET NUMBER |          |          |              |  |        |
|  |             |                 |               |                            |                        | <u> </u>                      | CT/GB2004/0            | 0358    | 3                        | <u> 1</u>                |          |          | 36-1960      |  |        |
|  |             |                 |               | ubmitted:                  |                        |                               |                        |         |                          |                          |          | ļ        |              |  |        |
| BAS  |             |                 | •             |                            | 92(a)(1)-(5):          |                               |                        |         |                          |                          |          | <u> </u> |              |  |        |
| 21. 🛛  | •           |                 |               |                            |                        |                               |                        |         | 1)                       | \$                       | 300.00   |          |              |  |        |
| 22.  |             |                 |               |                            |                        |                               |                        |         | \$0                      | П                        |          |          |              |  |        |
| 22.  X  Examination Fee  |             |                 |               |                            |                        |                               |                        |         |                          | s                        | 200.00   |          |              |  |        |
| \$200.00 (1633)/\$100.00 (2633)  |             |                 |               |                            |                        |                               |                        |         | 3)                       |                          | 200.00   |          |              |  |        |
|  |             |                 |               |                            |                        |                               |                        |         | $\vdash$                 |                          | _        |          |              |  |        |
| 23. Search Fee   |             |                 |               |                            |                        |                               |                        |         |                          | 11                       |          |          |              |  |        |
|  |             |                 |               |                            |                        |                               |                        |         |                          | ΙI                       |          |          |              |  |        |
| \$400 (1642)/\$200 (2642)  |             |                 |               |                            |                        |                               |                        |         |                          |                          | Ιİ       |          |              |  |        |
|  |             |                 |               |                            |                        |                               | \$50                   | 0.00 (  | 1632)/\$250.00           | 0 (263                   | 2)       | \$       | 400.00       |  |        |
|  |             |                 |               |                            |                        |                               | TOTAL OF               | ABO     | VE CALCULA               | ATION                    | S        | \$       | 900.00       |  |        |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or  |             |                 |               |                            |                        |                               |                        |         |                          | ng or                    | 1        |          |              |  |        |
| computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |             |                 |               |                            |                        |                               |                        |         |                          |                          |          |          |              |  |        |
| Total S  | Sheets      | Extra S         |               | Number                     | of each addit          | iona                          | 150 or                 |         | RAT                      | E                        |          |          |              |  |        |
| fraction the   |             |                 | hereof (round | ereof (round up to a whole |                        |                               |                        |         |                          | 1 1                      |          |          |              |  |        |
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| 0  | -100        | 0               | /50 =         | 0.00                       |                        |                               |                        | \$0.0   | <b>0</b> (1681)          |                          |          | \$       |              |  |        |
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| ŀ  |             |                 |               |                            |                        |                               |                        | \$0.0   | <b>0</b> (2681)          |                          |          | 1 1      |              |  |        |
|  |             | ,,              |               |                            |                        |                               |                        |         |                          |                          |          | $\sqcup$ |              | EQ.  |        |
| Surchar  | rge of \$13 | <b>0.00</b> (16 | 17)/\$6       | <b>5.00</b> (2617          | ) for furnishir        | ng t                          | ne oath or de          | clarati | on later than            | 30                       | months   |          |              |  |        |
| from the   | e earliest  | claimed         | priority      | date (37 C                 | .F.R. 1.492(           | e).                           |                        |         |                          |                          |          | \$       | 0.00         |  |        |
| С  | LAIMS       | N               | UMBEI         | RFILED                     | # EXTRA                |                               |                        |         | RATE                     |                          |          |          |              |  |        |
| Total CI   |             | 1               |               | ninus 20                   | 0 X                    | \$5                           | 0.00 (1615)/           |         | \$25.00 (261             | 5)                       |          | \$       |              |  |        |
|  |             |                 |               | =                          |                        |                               |                        |         | ·                        |                          |          | 1        |              |  |        |
| Indepen  | ndent Clai  | ms 3            | 3 n           | ninus 3 =                  | 0 X                    | \$2                           | 00.00 (1614)           |         | \$100.00 (26             | 14)                      |          | \$       |              |  |        |
| MULTIP   | LE DEPE     | NDENT           | CLAIN         | IS(S) (if ap               | plicable)              |                               | \$360.00               | (161    | 6)/\$180.00 (2           | 616)                     |          | \$       | 0.00         |  |        |
| Petition   | is hereby   | made to         | exten         | d the curre                | nt due date            |                               |                        |         | date of this p           |                          |          |          |              |  |        |
| attachm  | nent(s): Č  | ne Mont         | h Exte        | nsion \$120                | .00 (1251)/\$          | 60.0                          | 00 (2251); Tw          | o Mor   | nth Extensions           | s \$450                  | .00      |          |              |  |        |
|  |             |                 |               | nth Extens                 | sions \$1020.          | .00 (                         | 1253/\$510.00          | (225    | 3); Four Mont            | h Exte                   | nsions   | 1 1      |              |  |        |
| \$1590.00 (1254/\$795.00 (2254)  |             |                 |               |                            |                        |                               |                        |         |                          | \$                       | 0.00     |          |              |  |        |
| App  | licant clai | ms smal         | l entity      | status. Se                 | e 37 CFR 1             | .27.                          |                        |         |                          |                          |          |          |              |  |        |
| Processing fee of \$130.00 (1618), for furnishing the English Translation later than 20 30   |             |                 |               |                            |                        |                               |                        |         |                          |                          |          |          |              |  |        |
| months   | from the    | earliest o      | laimed        | priority da                | te (37 C.F.R           | <u>1. 1.</u>                  | 492(f).                |         | +                        |                          |          | $\sqcup$ | 0.00         |  |        |
|  |             |                 |               |                            |                        |                               |                        |         | TOTAL NAT                |                          |          | \$       | 900.00       |  |        |
|  |             |                 |               |                            |                        |                               |                        |         | nt must be ac            | compa                    | inied by |          |              |  |        |
| an appr  | opriate co  | over shee       | et (37 C      | C.F.R. 3.28                | , 3.31). <b>\$40</b> . | .00                           | (8021) per pr          | operty  | +                        | _                        |          | \$       | 40.00        |  |        |
| Fee for  | Petition to | Revive          | Uninte        | ntionally A                | bandoned A             | ppli                          | cation;\$ <b>1500.</b> | 00 (14  | 453) / \$ <b>750.0</b> 0 | (245                     | 3)       | \$       | 0.00         |  |        |
| -  |             |                 |               |                            |                        |                               |                        | TO      | TAL FEES E               | NCLO                     | SED =    | \$       | 940.00       |  |        |
|  |             |                 |               |                            |                        |                               |                        |         |                          |                          |          | Αn       | nount to be: | $\vdash$   |        |
|  |             |                 |               |                            |                        |                               |                        |         |                          |                          |          |          | funded:      | \$   |        |
|  |             |                 |               |                            |                        |                               |                        |         |                          |                          |          |          | nount to be  | <del>                                     </del> | · ···· |
|  |             |                 |               |                            |                        |                               |                        |         |                          |                          |          |          | narged:      | \$   |        |
|  |             |                 |               |                            |                        |                               |                        |         |                          |                          |          |          | <b>3</b>     |  |        |
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| l  |             |                 |               |                            |                        |                               |                        |         |                          |                          |          |          |              |  |        |
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| a. 🗆   | ] A chec    | k in the a      | amount        | of \$940.0                 | 0 to cover th          | ne a                          | bove fees is e         | enclos  | ed.                      |                          |          |          |              |  |        |
| в. 🗀   |             |                 |               |                            |                        |                               | in the amoun           |         |                          | r the a                  | bove fee | s.       |              |  |        |
|  |             |                 |               | s form is e                |                        |                               |                        | _       | <u>-</u>                 |                          |          |          |              |  |        |



c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.

e.  $\square$  The entire content of International Application No. PCT/GB2004/003583 and any U.S. and foreign application(s) corresponding thereto, and GB 0320205.8, referred to in this application is/are hereby incorporated by reference in this application.

NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.

CORRESPONDENCE ADDRESS

Direct all correspondence to:

**Customer Number:** 

23117

Type Customer Number here

Telephone: (703) 816-4000

 $\boxtimes$ 

LSN:Imy

Larry S. Nixon

NAME

25,640 REGISTRATION NUMBER February 22, 2006

Date